# BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2017-18/RD/WORK_INDENT28236

## APPROVED SCHEDULE - B

**No. /BTP/BBMP/E-PMT/13/2017-18, Date:21.12.2017**

**Package-3, including 4 works of Rs. 200.00 lakhs**

| Sl. No. | Approved Qty. | Description | Unit | Approved Tender Rates of Sri. D. Narahari Benaka Developers & Project Pvt. Ltd | |
|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 1 | 3120.46 | Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.141.Item No.19.1) | Cum | 104.3 | Rupees One Hundred Four and Thirty Paise Only |
| 2 | 6634.89 | Removing and refixing stone slabs of drains and pointing in CM (1:3).(Pg No.25, I.No.5.33) | Sqm | 90.23 | Rupees Ninety and Twenty Three Paise Only |
| 3 | 2646.06 | Providing granite slabs of selected quality roughly dressed and fixed in cementer mortar (1:6) including fixing curing etc., complete. Pg No.25, Item No.5.31.1 (7.5 cms thick) | Sqm | 745.56 | Rupees Seven Hundred Forty Five and Fifty Six Paise Only |
| 4 | 157.08 | Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification (Pg.No.12, It.4.3) | Cum | 5416.97 | Rupees Five Thousand Four Hundred Sixteen and Ninety Seven Paise Only |
| 5 | 78.57 | Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-23. Item No. 5.6) | Cum | 4970.81 | Rupees Four Thousand Nine Hundred Seventy and Eighty One Paise Only |
| 6 | 16.50 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications.(Item No.4.6, Page No.12) | Cum | 6055.83 | Rupees Six Thousand Fifty Five and Eighty Three Paise Only |
| 7 | 965.43 | Providing laying, spreading and compacting graded fine aggregate to wet mix macadam specificationns including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surfce and compating with vibratory roller to achieve the desired density complete as per specifications. MORTH specifications no. 406(P-157., It No: 20.18) | Cum | 1856.48 | Rupees One Thousand Eight Hundred Fifty Six and Forty Eight Paise Only |
| 8 | 24246.50 | Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and or/ compressed air to receive bituminous treatment including cost of all materails, labour, HOM Machineries complete as per specifications.(Page No.161, Item No.21.2) | Sqm | 3.56 | Rupees Three and Fifty Six Paise Only |
| 9 | 27174.50 | Providing and applying tack coat with80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials , labour HOM Machineries complete as per specifications.. (Pg No. 160. Item No. 21.7) | Sqm | 13.06 | Rupees Thirteen and Six Paise Only |

For Benaka Developers And Projects Pvt. Ltd.

NARAHARI. D
Managing Director

Signature of the contractor



30/08

Executive Engineer

30/08

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|---|---|---|---|---|---|
| | | | | In Figures | In Words |
| 10 | 1086.98 | Providing and laying bituminous concrete40MM thick with hotmix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filleeer, transporting of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with paver finisher to the required gradde, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to acheive the desired compaction as per MORTH specifications clause No.509 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P with mechanical paver Gr-11(30mm to 45mm) with 5.4% of modified binder consisting of 4.97% VG-10 bitumen (80/100) grade and 0.43% of plastomeric thermoplastics(Waste plastic)(Page No.172, It No.21.78.6) | Sqm | 8223.37 | Rupees Eight Thousand Two Hundred Twenty Three and Thirty Seven Paise Only |
| 11 | 1087.80 | Providing and laying of hot applied thermoplastic compund 2.5mm thick including reflectorising glass beads at 250 gms per sqm area thickness of 2.5mm is exclusive of surface applied galss beads as per thickness of 2.5mm is exclusive of surface, applied glass beadsa s perIRC35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH specfications. No.803.(Page No.185. It No.24.15) | Sqm | 607.85 | Rupees Six Hundred Seven and Eighty Five Paise Only |
| 12 | 17.70 | Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(Page No.17, Item No.17) | Tonne | 70667.76 | Rupees Seventy Thousand Six Hundred Sixty Seven and Seventy Six Paise Only |
| 13 | 646.20 | Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge.(Page No.16, Item NO.4.32) | Sqm | 434.52 | Rupees Four Hundred Thirty Four and Fifty Two Paise Only |
| 14 | 108.00 | Providing ruled pointing of course stone msonry with cement mortar 1:3 20 mm deep, after raking joints to depth of 20 mm nicley lining, including cost of materials, labour, curing etc., complete as per specifications and directions of the engineer-in-charge. (P-112, Item No. 15.8) | Cum | 41.55 | Rupees Forty One and Fifty Five Paise Only |
| 15 | 14.00 | Providing and fixing MS Grating 260x260 mm(Page No.VIII, Sl No.237, code No.0771) | Sqm | 105.66 | Rupees One Hundred Five and Sixty Six Paise Only |

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| 16 | 104.00 | Cement concrete pavement. Construction of un-reinfirced plain cement concrete pavement, thickness as per deisgn, over a prepraed sub base with OPC cement or any other type as per clause 1051..2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregates ,with superplastiser @ 3lts confirming to IS9103-1999 REAFFIRMED-2008, Mixed in a concrete mixer of not less than 0.6 cum capacity and approximate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates inlcuding levelling the form work as per drawing) and spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continous operation including, provision of contraction, expansion, construction operation including longitudinal joints, including groove cutting charges joint filler, sparation menebrane, sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specfication.M20 (AT 300 Kg per cum coarse aggregats @ 0.69cum and fine aggregate @0.43cum) (Pg No.177, It No.22.6.2) | Cum | 5784.26 | Rupees Five Thousand Seven Hundred Eighty Four and Twenty Six Paise Only |
| 17 | 1040.00 | Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cst of generator, HOM of machinery screed vibaratory, power floater, blade and disc etc., with all leads and lift. | Sqm | 106.85 | Rupees One Hundred Six and Eighty Five Paise Only |
| 18 | 32.18 | Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls( anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications. Seocifications No. KBS 4.1,4.6 ( Page NO. 13, Item NO. 4.11) | Cum | 6690.24 | Rupees Six Thousand Six Hundred Ninety and Twenty Four Paise Only |
| 19 | 3120.46 | Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1) | Cum | 118.72 | Rupees One Hundred Eighteen and Seventy Two Paise Only |

For Benaka Developers And Projects Pvt. Ltd.

**Signature of the Contractor**

NARAHARI. D
Managing Director

30/08

**Executive Engineer**
**Byarayanapura Division**
**BBMP, Bangalore - 92**

30/08